

## New Claims

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1 --120. A composition comprising a cocoa procyanidin monomer and/or oligomer and a  
2 carrier selected from the group consisting of a pharmaceutically acceptable carrier, veterinary  
3 acceptable carrier, dietary supplement carrier and food, wherein said composition is packaged  
4 with instructions directing use of the composition as an anti-inflammatory agent.

1 121. The composition of claim 120, wherein the cocoa procyanidin is a dimer.

1 122. The composition of claim 120, wherein the cocoa procyanidin is at least one of  
2 oligomers 3-12 or any mixture thereof.

1 123. The composition of claim 120, wherein the cocoa monomer and/or oligomer is in  
2 the form of a cocoa extract or cocoa procyanidin-containing fraction thereof.

1 124. The composition of claim 120, wherein the monomer comprises epicatechin and  
2 the oligomer comprises an epicatechin-containing oligomer.

1 125. The composition of claim 120, wherein the carrier is a pharmaceutically  
2 acceptable carrier.

1 126. The composition of claim 120, wherein the carrier is a veterinary acceptable  
2 carrier.

1 127. The composition of claim 120, wherein the carrier is a food.

1 128. The composition of claim 120, which is a dietary supplement.

1 129. The packaged composition of claim 120, further comprising a cyclo-oxygenase  
2 modulator.

1 130. The packaged composition of claim 129, wherein the cyclo-oxygenase modulator  
2 is a non-steroidal anti-inflammatory drug.

1 131. The packaged composition of claim 130, wherein the non-steroidal anti-  
2 inflammatory drug is an aspirin.

1 132. A composition comprising a cocoa procyanidin monomer and/or oligomer and a  
2 carrier selected from the group consisting of a pharmaceutically acceptable carrier, veterinary  
3 acceptable carrier, dietary supplement carrier and food, wherein said composition is  
4 packaged with instructions directing use of the composition as an antiplatelet therapy.

1 133. The composition of claim 132, wherein the cocoa procyanidin is a dimer.

1 134. The composition of claim 132, wherein the cocoa procyanidin is at least one of  
2 oligomers 3-12 or any mixture thereof.

1 135. The composition of claim 132, wherein the cocoa monomer and/or oligomer is in  
2 the form of a cocoa extract or cocoa procyanidin-containing fraction thereof.

1 136. The composition of claim 132, wherein the monomer comprises epicatechin and  
2 the oligomer comprises an epicatechin-containing oligomer.

1 137. The composition of claim 132, , wherein the carrier is a pharmaceutically  
2 acceptable carrier.

1 138. The composition of claim 132, wherein the carrier is a veterinary acceptable  
2 carrier.

1 139. The composition of claim 132, wherein the carrier is a food.

1 140. The composition of claim 132, which is a dietary supplement.

1 141. The packaged composition of claim 132, further comprising a cyclo-oxygenase  
2 modulator.

1 142. The packaged composition of claim 141, wherein the cyclo-oxygenase modulator  
2 is a non-steroidal anti-inflammatory drug.

1 143. The packaged composition of claim 142, wherein the non-steroidal anti-  
2 inflammatory drug is an aspirin.

1 144. A composition comprising a cocoa procyanidin monomer and/or oligomer and a  
2 carrier selected from the group consisting of a pharmaceutically acceptable carrier, veterinary  
3 acceptable carrier, dietary supplement carrier and food, wherein said composition is  
4 packaged with instructions directing use of the composition as an agent for improving or  
5 maintaining vascular health.

1 145. The composition of claim 144, wherein the cocoa procyanidin is a dimer.

1 146. The composition of claim 144, wherein the cocoa procyanidin is at least one of  
2 oligomers 3-12 or any mixture thereof.

1 147. The composition of claim 144, wherein the cocoa monomer and/or oligomer is in  
2 the form of a cocoa extract or cocoa procyanidin-containing fraction thereof.

1 148. The composition of claim 144, wherein the monomer comprises epicatechin and  
2 the oligomer comprises an epicatechin-containing oligomer.

1 149. The composition of claim 144, , wherein the carrier is a pharmaceutically  
2 acceptable carrier.

1 150. The composition of claim 144, wherein the carrier is a veterinary acceptable  
2 carrier.

1 151. The composition of claim 144, wherein the carrier is a food.

1 152. The composition of claim 144, which is a dietary supplement.

1 153. A composition comprising a cocoa procyanidin monomer and/or oligomer and a  
2 carrier selected from the group consisting of a pharmaceutically acceptable carrier, veterinary  
3 acceptable carrier, dietary supplement carrier and food, wherein said composition is  
4 packaged with instructions directing use of the composition for at least one of the following:  
5 modulating nitric oxide synthesis, inducing vasodilation, modulating renal function, and  
6 reducing blood pressure.

1 154. The composition of claim 153, wherein the cocoa procyanidin is a dimer.

1 155. The composition of claim 153, wherein the cocoa procyanidin is at least one of  
2 oligomers 3-12 or any mixture thereof.

1 156. The composition of claim 153, wherein the cocoa monomer and/or oligomer is in  
2 the form of a cocoa extract or cocoa procyanidin-containing fraction thereof.

1 157. The composition of claim 153, wherein the monomer comprises epicatechin and  
2 the oligomer comprises an epicatechin-containing oligomer.

1 158. The composition of claim 153, , wherein the carrier is a pharmaceutically  
2 acceptable carrier.

1 159. The composition of claim 153, wherein the carrier is a veterinary acceptable  
2 carrier.

1 160. The composition of claim 153, wherein the carrier is a food.

1 161. The composition of claim 153, which is a dietary supplement.

1 162. A composition comprising a cocoa procyanidin monomer and/or oligomer and a  
2 carrier selected from the group consisting of a pharmaceutically acceptable carrier, veterinary  
3 acceptable carrier, dietary supplement carrier and food, wherein said composition is  
4 packaged with instructions directing use of the composition for at least one of the following:  
5 reducing the risk of thrombosis, treating or preventing atherosclerosis, and treating or  
6 preventing restenosis.

1 163. The composition of claim 162, wherein the cocoa procyanidin is a dimer.

1 164. The composition of claim 162, wherein the cocoa procyanidin is at least one of  
2 oligomers 3-12 or any mixture thereof.

1 165. The composition of claim 162, wherein the cocoa monomer and/or oligomer is in  
2 the form of a cocoa extract or cocoa procyanidin-containing fraction thereof.

1 166. The composition of claim 162, wherein the monomer comprises epicatechin and  
2 the oligomer comprises an epicatechin-containing oligomer.

1 167. The composition of claim 162, wherein the carrier is a pharmaceutically  
2 acceptable carrier.

1 168. The composition of claim 162, wherein the carrier is a veterinary acceptable  
2 carrier.

1 169. The composition of claim 162, wherein the carrier is a food.

1 170. The composition of claim 162, which is a dietary supplement.

1 171. A composition comprising a cocoa procyanidin monomer and/or oligomer and a  
2 carrier selected from the group consisting of a pharmaceutically acceptable carrier, veterinary  
3 acceptable carrier, dietary supplement carrier and food, wherein said composition is  
4 packaged with instructions directing use of the composition for treating hypertension.

1 172. The composition of claim 171, wherein the cocoa procyanidin is a dimer.

1 173. The composition of claim 171, wherein the cocoa procyanidin is at least one of  
2 oligomers 3-12 or any mixture thereof.

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1 174. The composition of claim 171, wherein the cocoa monomer and/or oligomer is in  
2 the form of a cocoa extract or cocoa procyanidin-containing fraction thereof.

1 175. The composition of claim 171, wherein the monomer comprises epicatechin and  
2 the oligomer comprises an epicatechin-containing oligomer.

1 176. The composition of claim 171, wherein the carrier is a pharmaceutically  
2 acceptable carrier.

1 177. The composition of claim 171, wherein the carrier is a veterinary acceptable  
2 carrier.

1 178. The composition of claim 171, wherein the carrier is a food.

1 179. The composition of claim 171, which is a dietary supplement.

1 180. A composition comprising a cocoa procyanidin monomer and/or oligomer in  
2 admixture with a cyclo-oxygenase modulator.

Same as  
141-143



1 181. The composition of claim 180, wherein the cyclo-oxygenase modulator is a non-  
2 steroidal anti-inflammatory drug.

1 182. The composition of claim 181, wherein the non-steroidal anti-inflammatory drug  
2 is an aspirin.

1 183. The composition of claim 180, wherein the cocoa procyanidin is a dimer.

1 184. The composition of claim 180, wherein the cocoa monomer and/or oligomer is in  
2 the form of a cocoa extract or cocoa procyanidin-containing fraction thereof.

1 185. The composition of claim 180, wherein the monomer comprises epicatechin and  
2 the oligomer comprises an epicatechin-containing oligomer.

1 186. A method of treating hypertension by administering a composition comprising a  
2 cocoa procyanidin monomer and/or oligomer and a carrier selected from the group consisting  
3 of a pharmaceutically acceptable carrier, veterinary acceptable carrier, dietary supplement  
4 carrier and food to a subject suffering from hypertension, wherein said subject is a human or  
5 a veterinary animal.

1 187. The method of claim 186, wherein said subject is a human.

1 188. The method of claim 186, wherein the cocoa procyanidin is a dimer.

1 189. The composition of claim 186, wherein the cocoa monomer and/or oligomer is in  
2 the form of a cocoa extract or cocoa procyanidin-containing fraction thereof.

1 190. The composition of claim 186, wherein the monomer comprises epicatechin and  
2 the oligomer comprises an epicatechin-containing oligomer.

1 191. The method of claim 186, wherein the cocoa procyanidin is at least one of  
2 oligomers 3-12 or any mixture thereof.

1 192. The method of claim 191, wherein the carrier is a pharmaceutically acceptable  
2 carrier.

1 193. The method of claim 186 wherein the carrier is a food.

1 194. A method of anti-platelet therapy or prophylaxis comprising administering to a  
2 subject in need thereof a composition comprising a cocoa procyanidin monomer and/or  
3 oligomer and a carrier selected from the group consisting of a pharmaceutically acceptable  
4 carrier, veterinary acceptable carrier, dietary supplement carrier and food, wherein said  
5 subject is a human or a veterinary animal.

1 195. The method of claim 194, wherein said subject is a human.

1 196. The method of claim 194, wherein the cocoa procyanidin is a dimer.

1 197. The composition of claim 194, wherein the cocoa monomer and/or oligomer is in  
2 the form of a cocoa extract or cocoa procyanidin-containing fraction thereof.

1 198. The composition of claim 194, wherein the monomer comprises epicatechin and  
2 the oligomer comprises an epicatechin-containing oligomer.

1 199. The method of claim 194, wherein the cocoa procyanidin is at least one of  
2 oligomers 3-12 or any mixture thereof.

1 200. The method of claim 199, wherein the carrier is a pharmaceutically acceptable  
2 carrier.

1 201. The method of claim 194 wherein the carrier is a food.

1 202. The method of claim 194 further comprising administering to the subject a cyclo-  
2 oxygenase modulator.

1 203. The method of claim 202, wherein the cyclo-oxygenase modulator is a non-  
2 steroidal anti-inflammatory drug.

1 204. The method of claim 203, wherein the non-steroidal anti-inflammatory drug is an  
2 aspirin.

1 205. A method of treating, reducing the risk of, or preventing atherosclerosis,  
2 thrombosis, restenosis, heart attack or stroke comprising administering to a subject in need  
3 thereof a composition comprising a cocoa procyanidin monomer and/or oligomer and a  
4 carrier selected from the group consisting of a pharmaceutically acceptable carrier, veterinary  
5 acceptable carrier, dietary supplement carrier and food, wherein said subject is a human or a  
6 veterinary animal.

1 206. The method of claim 205, wherein said subject is a human.

1 207. The method of claim 205, wherein the cocoa procyanidin is a dimer.

1 208. The composition of claim 205, wherein the cocoa monomer and/or oligomer is in  
2 the form of a cocoa extract or cocoa procyanidin-containing fraction thereof.

1 209. The composition of claim 205, wherein the monomer comprises epicatechin and  
2 the oligomer comprises an epicatechin-containing oligomer.

1 210. The method of claim 209, wherein the cocoa procyanidin is at least one of  
2 oligomers 3-12 or any mixture thereof.

1 211. The method of claim 210, wherein the carrier is a pharmaceutically acceptable  
2 carrier.

1 212. The method of claim 205, wherein the carrier is a food.

1 213. The method of claim 205, further comprising administering to the subject a cyclo-  
2 oxygenase modulator.

1 214. The method of claim 213, wherein the cyclo-oxygenase modulator is a non-  
2 steroidal anti-inflammatory drug.

1 215. The method of claim 214, wherein the non-steroidal anti-inflammatory drug is an  
2 aspirin.

1 216. A method of treating or reducing the progression of a condition associated with  
2 inflammation comprising administering to a subject in need thereof a composition  
3 comprising a cocoa procyanidin monomer and/or oligomer and a carrier selected from the  
4 group consisting of a pharmaceutically acceptable carrier, veterinary acceptable carrier,  
5 dietary supplement carrier and food, wherein said subject is a human or a veterinary animal.

1 217. The method of claim 216, wherein said subject is a human.

1 218. The method of claim 217, wherein the condition associated with inflammation is  
2 at least one of the following: inflammatory bowel disease, ulcerative colitis, Chron's disease,  
3 gingivitis, acute edema, chronic arthritis, and spondylitis.

1 219. The method of claim 216, wherein the cocoa procyanidin is a dimer.

1 220. The composition of claim 216, wherein the cocoa monomer and/or oligomer is in  
2 the form of a cocoa extract or cocoa procyanidin-containing fraction thereof.

1 221. The composition of claim 216, wherein the monomer comprises epicatechin and  
2 the oligomer comprises an epicatechin-containing oligomer.

1 222. The method of claim 216, wherein the cocoa procyanidin is at least one of  
2 oligomers 3-12 or any mixture thereof.

1 223. The method of claim 222, wherein the carrier is a pharmaceutically acceptable  
2 carrier.

1 224. The method of claim 216 wherein the carrier is a food.--

ATTACHMENT 1

AMENDMENT mailed January 3, 2002  
U.S. Appl. Ser. No. 09/459,171  
Filed December 10, 1999  
NYB 1307880.1

Attachment I

Cancelled Claims	New Claims
34	120
35	121
122	36
-	123
-	124
37	125
38	126
39	127
40	128
41	129
42	130
43	131
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AMENDMENT mailed January 3, 2002  
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Cancelled Claims	New Claims
51	141
52	142
53	143
54	144
55	145
56	146
-	147
-	148
57	149
58	150
59	151
60	152
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NYB 1307880.1

Cancelled Claims	New Claims
-	165
-	166
71	167
72	168
73	169
74	170
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-	174
-	175
-	176
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89	188

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NYB 1307880.1

Cancelled Claims	New Claims
-	189
-	190
90	191
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95	196
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-	198
96	199
97	200
98	201
99	202
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107	212

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Cancelled Claims	New Claims
108	213
109	214
110	215
111	216
112	217
113	218
114	219
-	220
-	221
115	222
116	223
117	224

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